rocketfish™

Rocketboost™ Wireless Sender/Receiver

Rocketfish Rocketboost™ Wireless Sender/Receiver

Contents

Introduction

Congratulations on your purchase of the Rocketboost™ Wireless sender/receiver. This product represents the state of the art in 2.4 GHz wireless audio design. When used with other Rocketboost products you can enjoy your music throughout your house without the limitations of cables.

The Rocketboost Wireless sender/receiver can be use as both a sender and a receiver. As a sender you can connect it to your audio source devices (like home theater, mp3 player, or computer) and then receive that audio using any other Rocketboost receiver. As a receiver you can connect it your stereo system or amplified speakers and then listen to the audio from any other Rocketboost sender. By using other Rocketboost wireless audio products, you can also configure multiple audio streams and listen to any of those audio streams at any Rocketboost receiver device.

With a maximum 150-foot broadcast range, this powerful wireless device transmits through walls, floors, and ceilings. The audio signal is uncompressed digital audio so your audio is the highest quality and is free from interference.

This User Guide explains how to correctly install, operate, and get the best performance from your Rocketboost Wireless sender/receiver. Read this guide carefully before installing your system, and then keep it handy for quick reference.

Package contents

The box should contain the following:
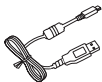

Wireless sender/receiver

AC power adapter

3.5 mm audio cable

3.5 mm to RCA adapter cable (6 in, 0.15 m)

USB cable

Remote control

User Guide

Quick Setup Guide

Important safety instructions

	CAUTION	
⚡	RISK OF ELECTRIC SHOCK DO NOT OPEN	!

⚡	The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
!	The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK:
DO NOT REMOVE SCREWS, COVERS OR THE CABINET.
NO USER SERVICING PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

1 Read these instructions.
2 Keep these instructions.
3 Heed all warnings.
4 Follow all instructions.
5 Do not use this apparatus near water.
6 Clean only with a dry cloth.
7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11 Only use attachments/accessories specified by the manufacturer.

12 Unplug this apparatus during lightning storms or when unused for long periods of time.

13 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

14 To reduce the risk of fire or electric shock, do not expose this device to rain, moisture, dripping, or splashing, and no objects filled with liquids, such as vases, shall be placed on it.

15 The wall plug is the disconnecting device. The plug must remain readily operable.

16 Batteries should not be exposed to excessive heat such as sunlight, fire, or the like.

Caution: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

Warning: Read the Rating Label on the bottom of the unit for power input and other safety information.

Caution - Proper Installation

Install the system in a place which is level, dry and neither too hot nor too cold. The appropriate temperature is between 5° C and 35° C.

Install the system in a location with adequate ventilation to prevent internal heat from building up inside the unit.

Caution - Proper ventilation

To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus for adequate ventilation.

What is Rocketboost?

Rocketboost is expandable wireless digital audio.

- Products with Rocketboost technology let you easily expand your listening experience throughout your home.
- Rocketboost does not interfere with other wireless products in your home.
- Rocketboost is uncompressed digital audio compatible with all audio formats such as Dolby TrueHD, and DTS-HD Master Audio used with Blu-ray.

When you see the Rocketboost logo on any product, it has been designed to work with other Rocketboost products, no matter who manufactures them.

How does Rocketboost work?

Rocketboost technology can connect all audio devices throughout your home to form a home audio network.

Rocketboost products include "Senders," which send or transmit audio streams, and "Receivers," which receive the audio. This lets you listen to music from your Sender in other rooms using your Receiver.

Rocketboost is expandable. Each Rocketboost Receiver can select the audio from any Sender in your Rocketboost audio network. The following shows an example Rocketboost network. You can set up your network to meet your specific needs.

RF-RBWHP01
Wireless Stereo Headphones
(Headphones are Rocketboost
Wireless Receiver, Charging base
is Rocketboost Wireless Sender)

RF-RBKIT
Wireless HD Audio Starter Kit
(Rocketboost Wireless
Sender shown)

RF-RBUSB
Rocketboost Wireless
sender/receiver

RF-RBWS02
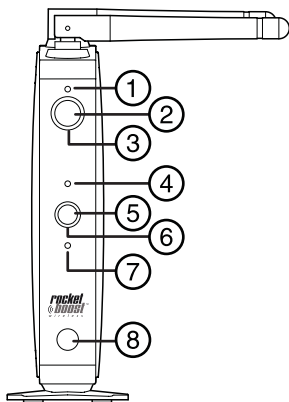Wireless Outdoor Speaker
(Rocketboost Wireless
Receiver)
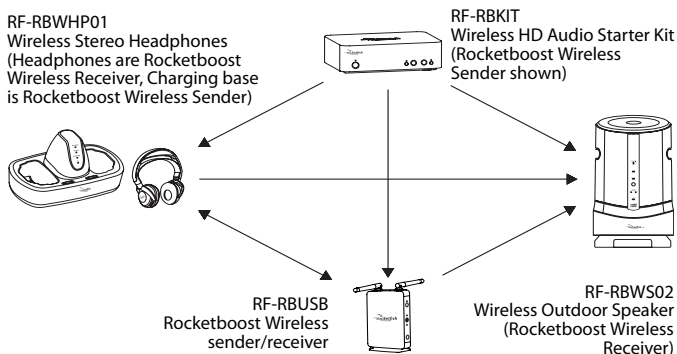
We hope you enjoy your new Rocketboost system. Remember that it's designed to grow with your home entertainment needs, and that it's easy to add a new device to the network as you expand your system.

Features

- High-Performance Audio - Uncompressed digital CD-quality stereo sound
- Strong Wireless Signal - 150 ft. wireless range (maximum, line of sight), great sound, no static, won't interfere with your other wireless products, compatible with all Rocketboost products
- Easy to use - Easy to set up
- Versatile/Easy audio connection options - USB for Computer Audio, Line Input for other devices like MP3 or CD players.
- Expandable - add more Rocketboost products to listen to music throughout your house
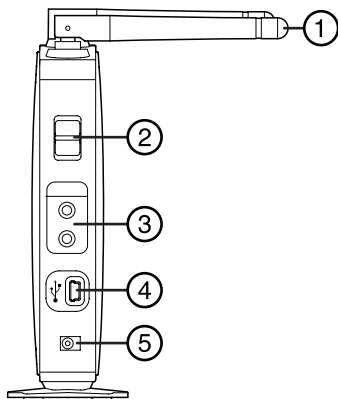
Wireless sender/receiver (front panel)

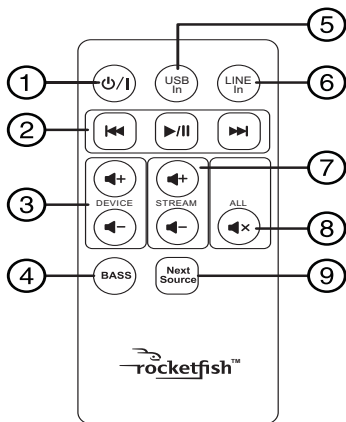| #	Feature	Description
1	Standby indicator	Turns red when the wireless sender/receiver is in standby mode.
2	Power/Join button	Press to turn the wireless sender/receiver on. Press and hold to initiate joining. Press again to go to standby mode. When you connect the AC power adapter, the device turns on automatically.
3	Power/Join indicator	Lights blue when the **HUB STATUS** switch is set to DISABLE. Lights green when the **HUB STATUS** switch is set to ENABLE. The indicator will turn solid when it is joined in a network, if the device is not in a network, the indicator blinks slowly. When the device is put in joining mode, the indicator blinks rapidly. See "Establishing communication" on page 21 for more information.
4	Sender mode indicator	Turns blue when sending audio. **Note**: This indicator will light automatically when a 3.5 mm connector or a USB cable is attached to the device (the device senses the cable connection).

| #	Feature	Description
5	Source	Press to select different audio streams on your Rocketboost network. Each press moves to the next source.
6	Receiver mode indicator	Turns blue when receiving audio from a Rocketboost wireless sender. Blinks slowly if the current source listened to is muted. **Note:** This indicator will not be lit if the Rocketboost wireless sender is turned off. Press the **SOURCE** button to find the next available source.
7	Line in indicator	Turns blue when an audio source device is plugged into the Line In jack. Note: The indicator does not light when a USB cable is connected to the USB jack.
8	Remote control sensor window	Receives the signal from the remote control.

Wireless Sender/Receiver (back panel)

#	Feature	Description
1	External antenna	Receives audio from wireless senders. Sends audio to receivers.
2	HUB STATUS switch	Enables and disables hub mode operation. See "Establishing communication" on page 21 for more information.
3	LINE IN/OUT jacks	When used as a wireless sender, plug an audio source device into the **LINE IN** jack. When used as a wireless receiver, plug your amplifier or amplified speakers into the **LINE OUT** jack. Note, this device operates as both a wireless sender and wireless receiver, so you can use it simultaneously to send and receive audio on your Rocketboost network.
4	USB jack	When used as a wireless sender, connect to the USB jack of your computer to send the audio from your computer to the Rocketboost wireless receivers.
5	DC IN jack	Plug the AC power adapter into this jack.

Remote control

#	Feature	Description
1	⏻/| Standby/On button	Press to turn the wireless sender/receiver on. Press again to enter standby mode.
2	⏮/▶/||/⏭ (Previous, Play/Pause, Next)	Skip to the previous track. Play or Pause a track. Skip to the next track. These playback controls will only work when you connect the wireless sender/receiver to a computer's USB port. The playback controls will work for Windows Media® Player and iTunes, but may not work with other software. When using these controls, point the remote at your Rocketboost wireless receiver where you are listening to the audio stream.

| #	Feature	Description
3	Volume ◀+/◀− buttons (device)	Press to adjust the volume on Rocketboost devices that support volume control (for example, RF-RBWS02 wireless outdoor speaker). The wireless sender/receiver is a line-level device, so volume controls are not supported on it. In that case the volume on the local amplifier or powered speakers connected to the wireless sender/receiver must be adjusted when listening to the wireless sender/receiver line-level out.
4	**BASS** button	Press to enable/disable the BASS enhancement. (This wireless sender/receiver does not support BASS boost, but the remote control can be used on other Rocketboost products that do support it.)
5	**USB In**	Press to listen to the audio from the device connected to the **USB** jack of your wireless sender/receiver.
6	**Line In**	Press to listen to the audio from the device connected to the **LINE In** jack of your wireless sender/receiver.
7	Volume ◀+/◀− buttons (stream)	Press to adjust the volume of all devices receiving the same audio stream.
8	◀× (mute - all)	Press to mute all audio streams in your Rocketboost network. Pressing mute again at any Rocketboost wireless receiver will "unmute" the stream that was last heard at that wireless receiver. This stream can now be heard from any other wireless receiver that was receiving that stream. Other streams are unmuted in the same way: pressing mute again at each wireless receiver will unmute the stream that was last heard at that receiver.
9	**Next Source** button	Press to select different audio streams on your Rocketboost network. Each press moves to the next source.

Setting up your wireless sender/receiver

Initial setup

To set up your wireless sender/receiver:
1 Unpack the package contents.
2 Adjust the antennas.
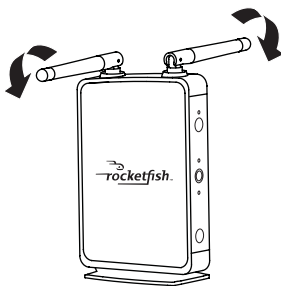
Tip: In some cases, you may improve range by rotating both antennas to create a 180° angle.
Note: Make sure that the device is located at least 18" (.46 m) from any WiFi router.
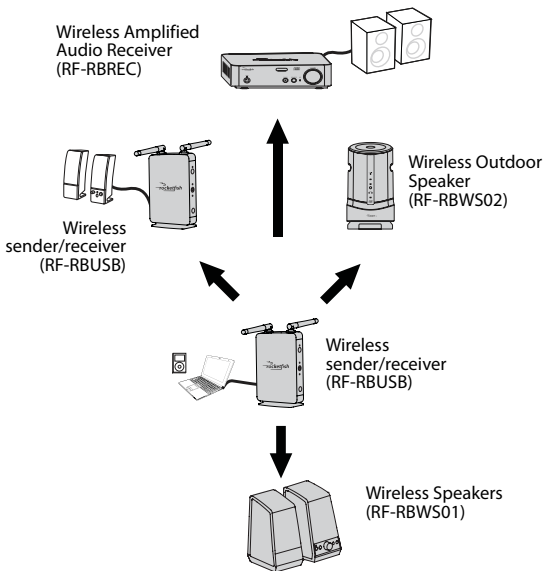
Connecting your wireless sender/receiver

Rocketboost technology can connect all audio devices throughout your home to form a home audio network.

Rocketboost products include "senders," which send audio streams, and "receivers," which receive the audio. This lets you listen to music from your wireless sender in other rooms, using your wireless receiver.

The Rocketboost Wireless sender/receiver works as both a Rocketboost wireless sender and wireless receiver, so you can use it in either configuration. In fact, you can even use it as a wireless sender and wireless receiver simultaneously.

Rocketboost is expandable. Each Rocketboost wireless receiver can select the audio from any wireless sender in your Rocketboost audio network. You can set up your network to meet your specific needs. The illustration shows an example Rocketboost network.

Wireless Amplified
Audio Receiver
(RF-RBREC)

Wireless Outdoor
Speaker
(RF-RBWS02)

Wireless
sender/receiver
(RF-RBUSB)

Wireless
sender/receiver
(RF-RBUSB)

Wireless Speakers
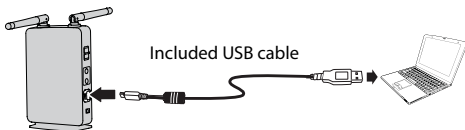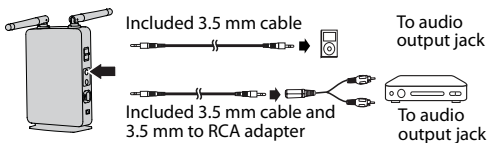(RF-RBWS01)

Using as a wireless sender

The wireless sender/receiver can be connected to an MP3 player, computer, or other audio device to send music to other Rocketboost wireless receivers.

An example configuration is shown below.

Wireless sender/receiver
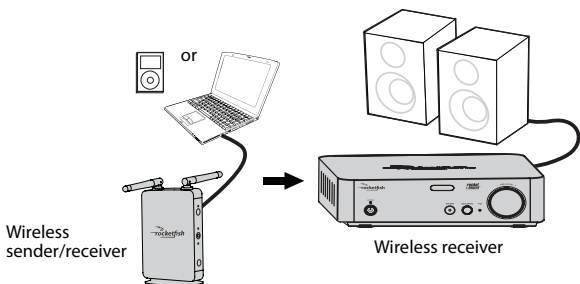
Wireless receiver

Connect your audio source to the **LINE In** jack or USB jack on the rear of the wireless sender/receiver, using the 3.5 mm audio cable or the USB cable. If necessary, you can also use the 3.5 mm to RCA adapter, if your audio device uses RCA-type line out connectors.

You can select either USB-In or LINE-In using the remote control, depending on which audio input you are using.

Included 3.5 mm cable

To audio output jack

Included 3.5 mm cable and 3.5 mm to RCA adapter

To audio output jack

Included USB cable

Using as a wireless receiver

The wireless sender/receiver can be connected to an amplifier or amplified speaker to receive music from other Rocketboost wireless senders.

An example configuration is shown below.

RF-RBUSB (Rocketboost Wireless sender)

RF-RBUSB (Rocketboost Wireless receiver)
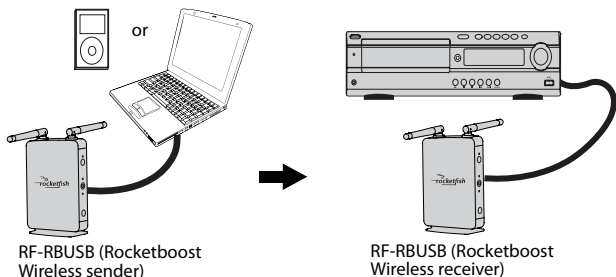
Connect your powered speaker or amplifier to the **LINE Out** jack on the rear of the wireless sender/receiver using the 3.5 mm audio cable. If necessary, you can also use the 3.5 mm to RCA adapter, if your audio device uses RCA-type line in connectors.

Included 3.5 mm cable

Included 3.5 mm cable and 3.5 mm to RCA adapter

To audio input jack
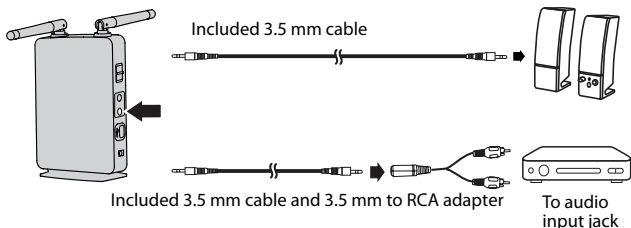
Connecting power to the wireless sender/receiver

To connect the power:

1 Connect the AC power adapter to the wireless sender/receiver and plug into an AC power outlet. The wireless sender/receiver automatically turns on and the power indicator turns green or blue, depending on the hub status switch position.
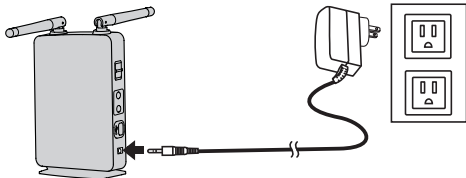
Notes:
*- Make sure that the AC power outlet matches the wireless sender/receiver's AC input (100-240V) before connecting.*
- Connect the AC power adapter to an AC power outlet only after all other connections are completed.

Setting up and using your remote control

To set up and use your remote control:

1 Remove the insulation sheet in the battery tray before using the remote control for the first time.
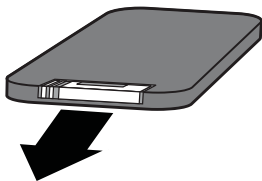
2 Aim the remote control at the IR sensor on the front from a maximum distance of 23 ft. (7 m) away and a maximum angle of +/- 30 degrees from the center line.
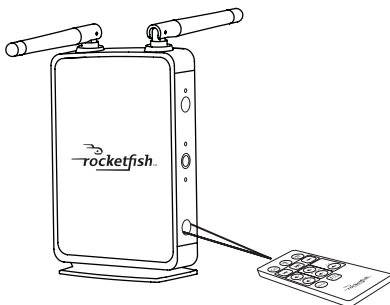
To replace the battery:
1 Press the battery tray lock to the right, then slide out the battery tray. You can remove the battery door with your fingernails by using the spaces set back in the remote control.

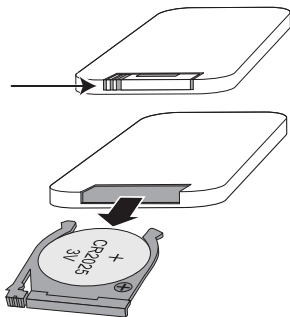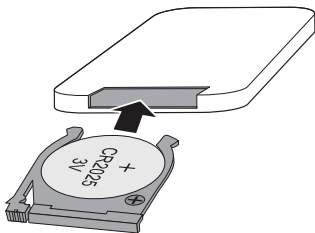2   Match the polarity on the battery with a plus sign (+) on the battery tray.

Replace the battery with a CR2025 or equivalent.
3   Slide the tray with the new battery into the battery compartment until it clicks into place.

Warnings:
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type of battery.
Notes:
Remove the battery from the remote control when it is not to be used for a long period. Otherwise it might be damaged due to battery leakage.
Do not drop or jar the remote control.
Do not spill water or any liquid on the remote control.
Do not place the remote control on a wet object.
Do not place the remote control under direct sunlight or near sources of excessive heat.

Using your wireless sender/receiver

Turning on your wireless sender/receiver

To turn the wireless sender/receiver on and off:
1   When initially connecting to an AC outlet, the device automatically turns on. To turn off the device, press ⏻. The power indicator turns off and the standby indicator turns red.
2   If the wireless sender/receiver is off, press ⏻ to turn it on. The power indicator lights.

Establishing communication

Rocketboost products form an audio network and each Rocketboost wireless receiver can select the audio from any Rocketboost wireless sender in the network.

Important
Every Rocketboost network must contain one hub device, which helps devices join the network. The network can have only one hub, which you can enable using the hub switch on the back of all Rocketboost wireless senders and the wireless sender/receiver.

If this is your first Rocketboost product, you should make the wireless sender/receiver the hub, if you already have Rocketboost products, you should disable hub mode on this device.

Important: Hub devices must always have power for your network to operate. The hub device can be in standby (power saving) mode, but must stay plugged in.

All Rocketboost devices must be "joined" or wirelessly connected to your Rocketboost hub device so that audio can be sent between them. The following steps describe how to join Rocketboost devices.

To establish communications:

1 If you are setting up your network for the first time, choose one of your Rocketboost wireless senders to be your hub device by setting the **Hub Status** switch to **Enable**. For example, if you want this wireless sender/receiver to be the hub, set the Hub Status switch on the wireless sender/receiver to **Enable**.

2 If you already have a Rocketboost network established, set the **Hub Status** switch on this wireless sender/receiver to **Disable**.
The wireless sender/receiver power indicator lights green if the wireless sender/receiver **Hub Status** switch is enabled, or lights blue if the wireless sender/receiver **Hub Status** switch is disabled.

3 If possible, bring your Rocketboost hub device, and the new Rocketboost device to which you'd like to join to the hub, into the same room.

4 Press the ⏻ on the Rocketboost hub device to turn it on.

5 Press the ⏻ on your other Rocketboost device to turn it on.

6 Press and hold the ⏻ on the Rocketboost hub device for more than three seconds to put it into joining mode. The power indicator starts blinking rapidly and the unit will stay in joining mode for 30 seconds. The diagram (below) shows an example of this. In this example, the wireless sender/receiver is the hub device.
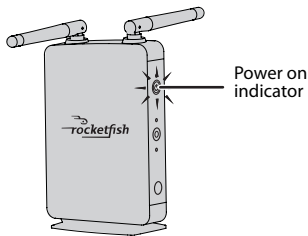
Power on indicator

7 Press and hold the ⏻ on your other Rocketboost device for more than three seconds to put it into joining mode.
   - When successfully joined, the power indicator LEDs on both products will stop blinking and stay on.
   - If joining fails after 30 seconds, the power indicator LEDs will begin flashing at a slower rate. If this occurs, repeat the above steps.
   - Repeat steps 2-7 for each additional Rocketboost device you are adding to your network.

Using your wireless sender/receiver as a sender

Note: When using the wireless sender/receiver as a sender, the Sender mode indicator LED will light when you are correctly connected to an audio source.

To use your wireless sender/receiver as a sender:
1 Turn on the audio source connected to the wireless sender/receiver. Make sure the volume of the audio source is turned up and not muted, otherwise no audio will be sent over the Rocketboost network.
2 Select either USB-In or LINE-In using the remote control, depending on which audio input you are using.

3 Play music from the audio device connected to your wireless sender/receiver.

4 Adjust the volume on your Rocketboost wireless receiver.

Using your wireless sender/receiver as a receiver

Note: When using the wireless sender/receiver as a receiver, the Receive mode indicator LED will light when you are receiving an audio source from the Rocketboost network.

To use your wireless sender/receiver as a receiver:

1 Turn on the audio source connected to the Rocketboost wireless sender. Make sure the volume of the audio source is turned up and not muted, otherwise no audio will be sent over the Rocketboost network.

2 Play music from the audio device connected to your Rocketboost wireless sender.

If you have multiple audio sources in your Rocketboost network, press the **Source** button on the Rocketboost wireless receiver to hear the next audio source. Press the **Source** button again to cycle through all available audio sources.

Controlling the device volume

When the wireless sender/receiver is used as a wireless receiver, the output volume is adjusted at the amplifier or powered speakers connected to the wireless receiver. The wireless sender/receiver remote control device volume controls can be used with other Rocketboost wireless devices that support volume (for example RF-RBWS02 wireless outdoor speaker).

Muting all devices

Rocketboost also features a global mute feature that instantly silences all audio streams in the network.

To mute all devices in the network:

1 Press **ALL** (mute) on the remote control. All audio streams in your network are muted.
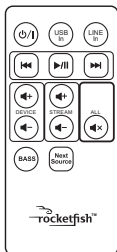
2 Pressing **ALL** (mute), while aiming at a specific Rocketboost wireless receiver, will "unmute" the stream that was last heard at that wireless receiver. This stream can now be heard from any other wireless receiver that was receiving that stream. Other streams are unmuted in the same way: pressing **ALL** (mute) again at each wireless receiver will unmute the stream that was last heard at that wireless receiver.

Turning off the system

To turn off the system:

- Press ⏻ on the wireless sender/receiver to turn off the unit.
  - The power indicator turns off and the standby indicator lights red.
  - Remove the AC power adapter from the AC power outlet to power off the device completely.

Notes:

- If there are other wireless senders and wireless receivers in the network, you must keep your Hub powered on. The hub can be in standby, but it needs to be connected to the AC adapter.

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- The device has its own memory. After the wireless sender/receiver and other Rocketboost devices are joined, they will remember each other and join automatically when they are powered on again.

To stop sending audio from the wireless sender/receiver:
- Remove the 3.5 mm plug and the USB connector from the back of the device and the wireless sender/receiver will automatically stop sending. The Sender mode indicator will go out.

Expanding your Rocketboost System

Rocketboost technology is expandable. Each Rocketboost wireless receiver can select the audio from any wireless sender in your Rocketboost audio network. The following shows an example Rocketboost network. You can set up your network to meet your specific needs.

RF-RBWHP01
Wireless Stereo Headphones
(Headphones are Rocketboost
Wireless Receiver, Charging base
is Rocketboost Wireless Sender)

RF-RBKIT
Wireless HD Audio Starter Kit
(Rocketboost Wireless
Sender shown)

RF-RBUSB
Rocketboost wireless
sender/receiver

RF-RBWS02
Wireless Outdoor Speaker
(Rocketboost Wireless
Receiver)
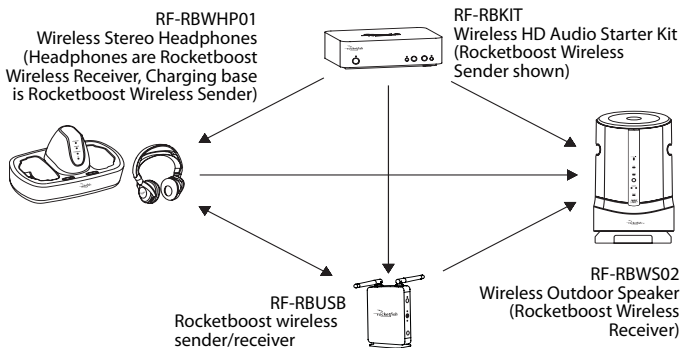
- **The Rocketboost Wireless Outdoor Speaker (RF-RBWS02)** includes a wireless outdoor speaker and the wireless sender/receiver (RF-RBAUX). Audio sources connected to the wireless sender/receiver can be listened to using the wireless speaker.

- **The Rocketboost Wireless Speaker (RF-RBWS01)** includes a wireless speaker and a wireless sender/receiver (RF-RBUSB). Audio sources connected to the wireless sender/receiver can be listened to using the wireless speaker.
- **The Rocketboost Wireless sender/receiver (RF-RBUSB)** can be used as both a wireless sender and a wireless receiver. As a wireless sender you can connect it to your other audio source devices (like home theater, MP3 player, or even a computer) and then receive that audio using your indoor wireless speaker or any other Rocketboost wireless receiver. As a wireless receiver you can connect it your stereo system or amplified speakers and then listen to the audio from any other Rocketboost wireless sender.
- **The Rocketboost Amplified Audio Receiver (RF-RBREC)** is an amplified wireless receiver. You connect speakers to this and then listen to audio from any of your Rocketboost wireless sender devices. This is a great way to expand your Rocketboost system to listen to your music anywhere in the house.
- **The Rocketboost Wireless HD Starter Kit (RF-RBKIT)** includes a wireless sender device and the RF-RBREC, wireless amplified receiver. This product can be used for home theater wireless surround sound of for multi-room audio.
- **The Rocketboost Wireless Headphones (RF-RBWHP01)** include a wireless sender device and wireless headphones. Audio sources connected to the wireless sender can be listened to using the wireless headphones.

For more information, and to see what other Rocketboost products are available, visit www.rocketboost.com.

Rocketboost Network Capabilities

The maximum number of Rocketboost devices in a Rocketboost Network is 9. If you already have 9 devices and attempt to join another one, then joining will fail for the new device.

Note: If you want to remove a device from your Rocketboost network you need to rejoin it to a different hub device (this basically creates a 2nd Rocketboost network).

The maximum number of audio streams that can be sent simultaneously on the Rocketboost network is:

- 5 stereo CD quality -or-
- 1 stereo HD quality + 3 CD quality -or-

- 2 stereo HD quality + 2 stereo CD quality -or-
- 3 stereo HD quality
  Note: HD streams are available if using the Rocketboost Wireless HD Audio Starter Kit wireless sender. If your system is in a maximum audio stream state, then the Send mode indicator will not light on the wireless sender devices that have exceeded the maximum. To use those device's audio streams, you need to turn off one of your other wireless senders.

Maintaining your system

Use a soft cloth dampened with a weak solution of mild detergent and water. Dry the device immediately afterwards with a clean cloth. Do not use abrasive cloth, thinners, alcohol, or other chemical solvents, because they may damage the finish or remove the panel lettering.

Cautions:
Do not block the ventilation openings.
If the power cord is damaged, it must be repaired by a qualified technician.

Troubleshooting

Check this information for a possible solution before calling for assistance.

General troubleshooting

- Every Rocketboost network must contain only one hub device, which helps other Rocketboost wireless devices join the network.
  - You can turn any Rocketboost wireless sender or wireless sender/receiver into a hub by using the **HUB STATUS** or **HUB ENABLE** switch on the back of the device. The network can only have one hub.
  - The hub device must have power for the audio network to operate. The hub can be in standby (power-saving mode), but must remain plugged in.
  - The existing hub device will be the device with the green power indicator.
- The unobstructed operating range of a Rocketboost network is 150 feet (45 meters).

• Each network must contain both a wireless sender device and a wireless receiver device. Do you have both a wireless sender and a wireless receiver device?

Problem	Solution
No communication between the Rocketboost sender and receiver devices.	• Make sure that the power indicators of the Rocketboost wireless sender and wireless receiver devices are lit solidly. If the indicators are blinking, see "Establishing communication" on page 21. • If the joining process is failing, make sure that only one of your Rocketboost wireless devices has the Hub switch enabled. Note that the hub device will be the only device with the green power indicator. Non-hub devices have a blue power indicator.
No sound	• Check the volume level of the audio sources connected to the wireless sender. • Make sure that all of the audio cables are connected correctly. • Make sure that the power indicators of the Rocketboost wireless sender and wireless receiver devices are lit solidly. If the indicators are blinking, see "Establishing communication" on page 21. • Make sure the audio source connected to your wireless sender is On. • Make sure the wireless sender or wireless receiver devices are not Muted. The Receive mode indicator light blinks when the device is muted. • When using computer USB audio, make sure your computer audio volume is turned up and not muted. Depending on your computer and operating system you may have to adjust this in the operating system volume settings or in the application you are using (for example, Windows Media Player).
My Rocketboost remote will not control the volume. I can't turn the volume up or down.	• Make sure you have removed the insulation sheet in the battery tray of the Rocketboost remote. • To maximize your volume level through the system, make sure your source devices (i.e., A/V receiver, MP3 player, etc.) have their volume turned up to at least 50% of their volume level. • The battery in your remote may be dead. Try replacing it with a new battery. • Rocketboost remote volume controls are not supported by the RF-RBUSB wireless sender/receiver, since it uses a line-level output. The volume can be controlled at the amplifier or powered speaker connected to the wireless sender/receiver.

Problem	Solution
The sound/audio is really quiet coming out of my speakers.	• To maximize your volume level through the system, make sure your source devices (i.e., A/V receiver, MP3 player, etc.) have their volume turned up to at least 50% of their volume level.
Sound interference	• Experiment with different orientations or locations of your wireless sender device. • Make sure your wireless sender device is more than 18 inches from any WiFi routers you may have. • Shorten the distance between the Rocketboost wireless devices. The maximum distance is 150 feet (45 m), but this distance will be reduced as the wireless signal passes through walls or other obstructions. • It is possible other devices like cordless phones, microwaves, wireless routers, etc. may be causing interference. Try turning one device off at a time to determine which device is causing interference. • If your cordless phone or wireless router is causing interference try changing the channel it is using. Please refer to your device's owner manual.
Cannot play audio from a computer	• Make sure that the USB cable is connected to the wireless sender/receiver and your computer correctly. • Make sure that you have selected the USB jack as the audio input source by pressing **USB-In** button on the remote control.

Specifications

Wireless sender/receiver

Power supply	5 V, 600 mA
Maximum line-level input signal level	2.0 Vrms
Maximum line-level output signal level	1.0 Vrms
Output loading	10 kohm
Signal-to-noise ratio	90 dB

Dimensions (H × D × W)	9.1 × 3.4 × 1.8 inches (230 × 86 × 46 mm)
Weight	4.7 oz. (134 g)

Legal notices

FCC and IC Information:

This device complies with Part 15 of the FCC Rules and RSS-210 of the IC Rules. This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC & IC Radiation Exposure Statement

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the exemption from the routine evaluation limits in section 2.5 of RSS 102.

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

2. This equipment complies with FCC RF/IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and users can obtain Canadian information on RF exposure and compliance from the Canadian Representative Richardson Technical Services Inc., Suite 304, 131 Wurtemburg St., Ottawa, Ontario, Canada. Tel: 613 562 3827

Rocketboost is a trademark of BBY Solutions, Inc.

Information for Users on Disposal of Old Equipment

European Union

Note: This symbol is only valid in the European Union.

This symbol indicates that the electrical and electronic equipment should not be disposed as general household waste at its end-of-life. Instead, the product should be handed over to the applicable collection point for the recycling in accordance with your national legislation.

By disposing of this product correctly, you will help to conserve natural resources and will help prevent potential negative effects on the environment and human health that could otherwise be caused by inappropriate waste handling of this product. For more information about collection point and recycling of this product, please contact your local municipal office, your household waste disposal service or the shop where you purchased the product.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

Other Countries Outside the European Union
If you wish to dispose of this product, please do so in accordance with applicable national legislation or other rules in your country for the treatment of old electrical and electronic equipment.

One-year limited warranty

Rocketfish Products ("Rocketfish") warrants to you, the original purchaser of this new **RF-RBUSB** ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for one (1) year from the purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Rocketfish brand products and packaged with this warranty statement. This warranty does not cover refurbished Product. If you notify Rocketfish during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

How long does the coverage last?

The Warranty Period lasts for one year (365 days), beginning on the date you purchased the Product. The purchase date is printed on the receipt you received with the product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Rocketfish repair center or store personnel, Rocketfish will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Rocketfish and are not returned to you. If service of Products and parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Rocketfish Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

Where is the warranty valid?

This warranty is valid only to the original purchaser of the Product in the United States, Canada, and Mexico.

What does the warranty not cover?

This warranty does not cover:
- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product, including the antenna

This warranty also does not cover:
- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Rocketfish to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. ROCKETFISH SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. ROCKETFISH PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

Contact Rocketfish:

For customer service please call 1-800-620-2790

www.rocketfishproducts.com

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For model number RF-RBUSB-05A:

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